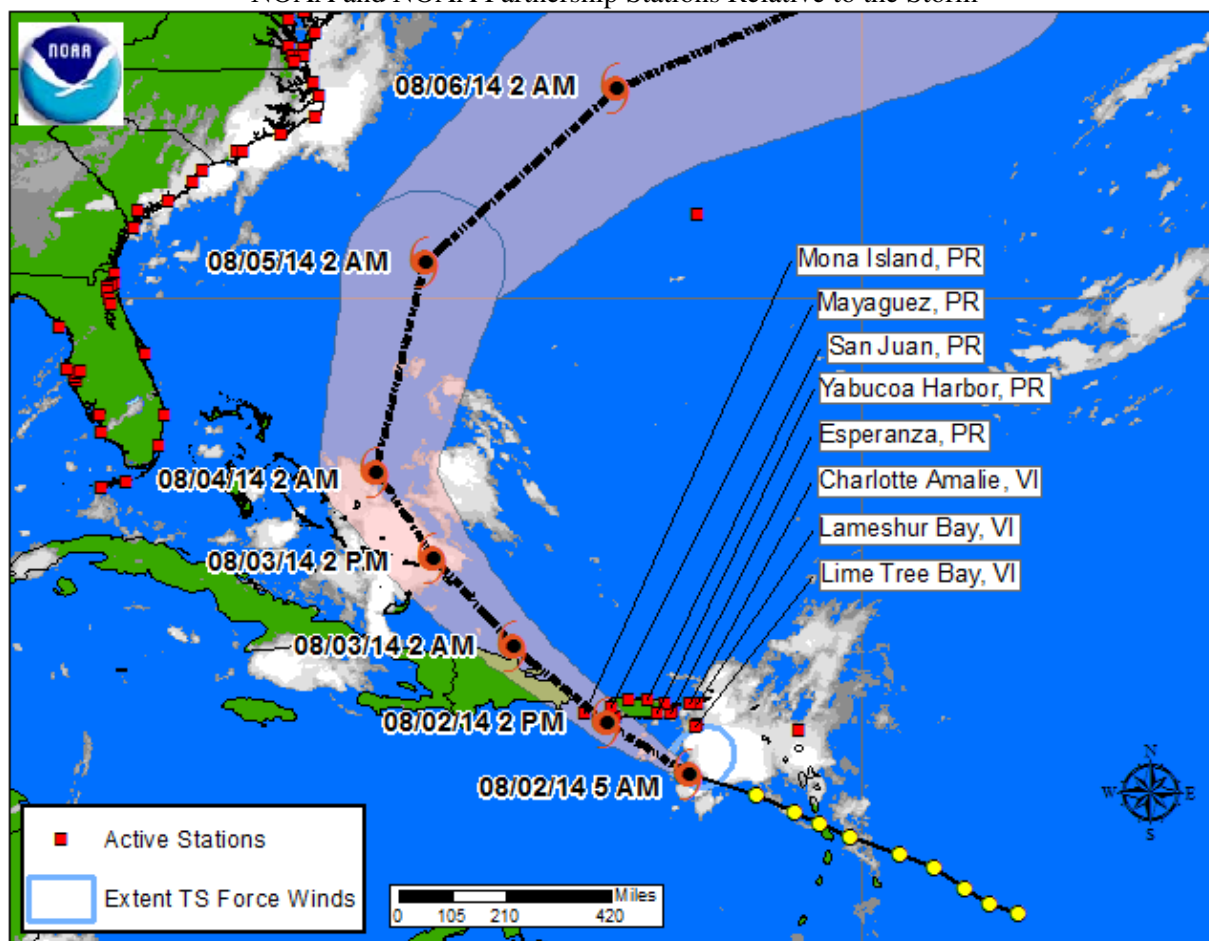




Tropical Storm BERTHA QuickLook  
Posted: 06:00 AST 08/02/2014

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/02/2014 06:00 AST, water levels across the U.S. Virgin Islands and Puerto Rico are slightly elevated. Levels across the Virgin Islands and the east coast of Puerto Rico range between 0.2 and 0.65 feet above tidal predictions. Wind speeds are increasing slightly across the U.S. Virgin Islands and the eastern coast of Puerto Rico with speeds measuring 10-20 kts with slightly higher gusts. Wind speeds in Limetree Bay are higher from 15-25 knots with gusts up to 30 knots. Barometric pressure has begun to decrease across the region.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:ADW

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SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM BERTHA ADVISORY NUMBER 6  
NWS NATIONAL HURRICANE CENTER MIAMI FL  
500 AM AST SAT AUG 02 2014

...BERTHA MOVING RAPIDLY ACROSS THE NORTHEASTERN CARIBBEAN SEA...  
...HEAVY SQUALLS APPROACHING PUERTO RICO AND THE VIRGIN ISLANDS...

WATCHES AND WARNINGS

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SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A TROPICAL STORM WARNING IS IN EFFECT FOR...

- \* PUERTO RICO
- \* VIEQUES
- \* CULEBRA
- \* U.S. VIRGIN ISLANDS

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA...IN THIS CASE WITHIN THE NEXT 12 TO 24 HOURS.

INTERESTS ELSEWHERE ACROSS THE NORTHEASTERN CARIBBEAN SEA AND HISPANIOLA SHOULD MONITOR THE PROGRESS OF THIS SYSTEM.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE. FOR STORM INFORMATION SPECIFIC TO YOUR AREA OUTSIDE THE UNITED STATES...PLEASE MONITOR PRODUCTS ISSUED BY YOUR NATIONAL METEOROLOGICAL SERVICE.

DISCUSSION AND 48-HOUR OUTLOOK

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AT 500 AM AST...0900 UTC...THE CENTER OF TROPICAL STORM BERTHA WAS ABOUT 95 MI S OF ST. CROIX AND ABOUT 165 MI SSE OF SAN JUAN PUERTO RICO BERTHA IS RACING TOWARD THE WEST-NORTHWEST NEAR 22 MPH AND THIS MOTION IS EXPECTED TO CONTINUE TODAY WITH A GRADUAL TURN TO THE NORTHWEST ON SUNDAY. ON THE FORECAST TRACK...THE CENTER OF BERTHA WILL PASS NEAR PUERTO RICO LATER TODAY...MOVE NEAR OR OVER THE EASTERN DOMINICAN REPUBLIC TONIGHT...AND APPROACH THE SOUTHEASTERN BAHAMAS AND THE TURKS AND CAICOS ISLANDS ON SUNDAY.

MAXIMUM SUSTAINED WINDS REMAIN NEAR 50 MPH WITH HIGHER GUSTS. BERTHA REMAINS IN AN ENVIRONMENT THAT IS NOT FAVORABLE FOR STRENGTHENING...AND LITTLE CHANGE IN STRENGTH IS FORECAST THROUGH SUNDAY.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 115 MILES FROM THE CENTER.

THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 1008 MB.

#### HAZARDS AFFECTING LAND

-----  
WIND...TROPICAL STORM CONDITIONS ARE EXPECTED IN PUERTO RICO AND THE VIRGIN ISLANDS TODAY...AND IN THE SOUTHEASTERN BAHAMAS AND THE TURKS AND CAICOS ISLANDS BY EARLY SUNDAY. WIND GUSTS TO TROPICAL STORM FORCE COULD OCCUR IN SQUALLS OVER THE REMAINDER OF THE LEEWARD ISLANDS TODAY. TROPICAL STORM CONDITIONS ARE POSSIBLE IN THE WATCH AREA IN THE DOMINICAN REPUBLIC BY LATER TODAY.

RAINFALL...BERTHA IS EXPECTED TO PRODUCE RAINFALL AMOUNTS OF 1 TO 3 INCHES WITH ISOLATED AMOUNTS UP TO 5 INCHES ACROSS PORTIONS OF THE LEEWARD ISLANDS...AS WELL AS THE U.S. AND BRITISH VIRGIN ISLANDS...EASTERN PORTIONS OF THE DOMINICAN REPUBLIC AS WELL AS THE TURKS AND CAICOS THROUGH SUNDAY NIGHT. RAINFALL TOTALS OF 3 TO 5 INCHES WITH ISOLATED MAXIMUM TOTALS OF 8 INCHES ARE POSSIBLE ACROSS PUERTO RICO...WITH THE HEAVIEST TOTALS ACROSS THE SOUTHERN PORTION OF THE ISLAND.

#### NEXT ADVISORY

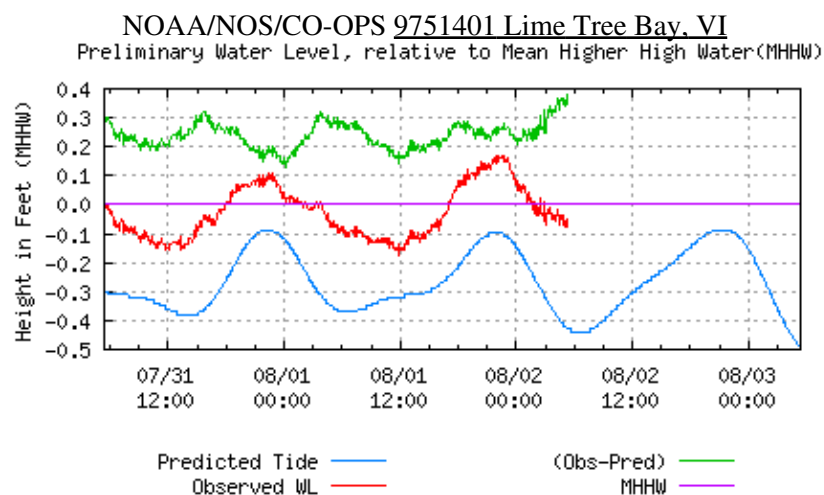
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NEXT INTERMEDIATE ADVISORY...800 AM AST.  
NEXT COMPLETE ADVISORY...1100 AM AST.

FORECASTER AVILA

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Lime Tree Bay - Water Level](#), [Lime Tree Bay - Winds](#), [Lime Tree Bay - Barometric](#), [Lameshur Bay, St John - Water Level](#), [Lameshur Bay, St John - Barometric](#), [Charlotte Amalie - Water Level](#), [Charlotte Amalie - Winds](#), [Charlotte Amalie - Barometric](#), [Esperanza, Vieques Island - Water Level](#), [Esperanza, Vieques Island - Winds](#), [Esperanza, Vieques Island - Barometric](#), [Yabucoa Harbor - Water Level](#), [Yabucoa Harbor - Winds](#), [San Juan - Water Level](#), [San Juan - Winds](#), [San Juan - Barometric](#), [Mayaguez - Water Level](#), [Mayaguez - Winds](#), [Mona Island - Water Level](#), [Mona Island - Barometric](#)

Tropical Storm BERTHA QuickLook, POSTED 06:00 AST 08/02/2014

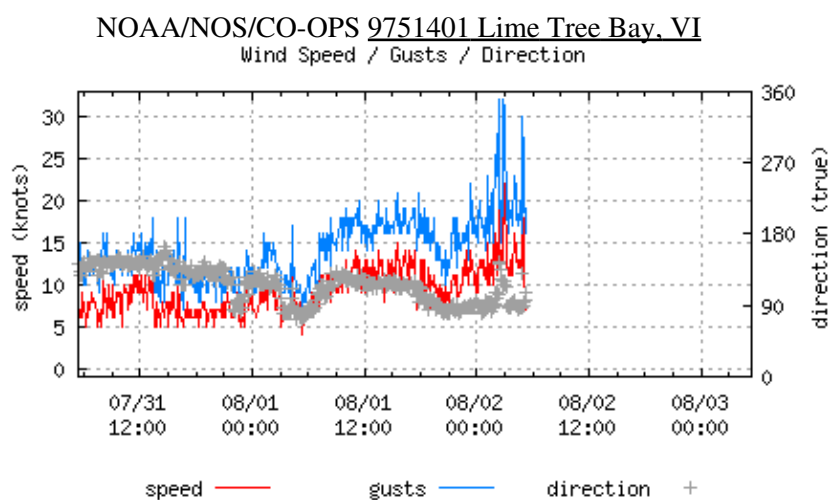


Last Observed Sample: 08/02/2014 05:18 (AST). Data relative to MHHW

Observed: -0.08 ft. Predicted: -0.43 ft. Residual: 0.35 ft.

Historical Maximum Water Level: Nov 17 1999, 1.88 ft.

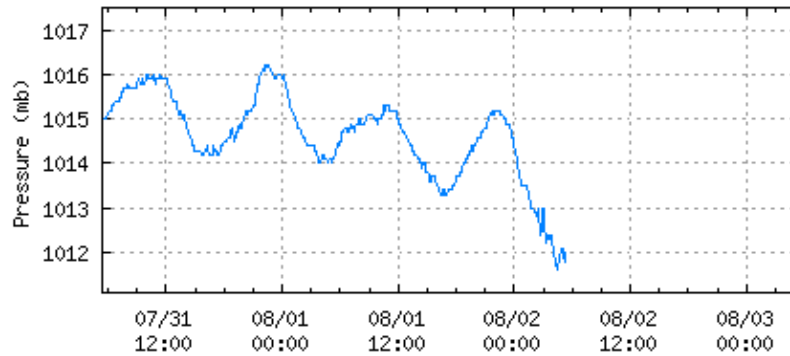
Next High Tide: 08/02/2014 21:17 (AST), -0.08 ft.



Last Observed Sample: 08/02/2014 05:18 (AST)

Wind Speed: 9 knots Gusts: 19 knots Direction: 96° T

NOAA/NOS/CO-OPS 9751401 Lime Tree Bay, VI  
Barometric Pressure

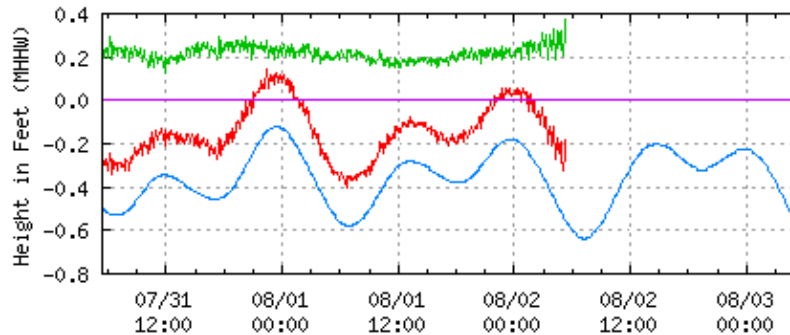


barometric pressure —

Last Observed Sample: 08/02/2014 05:18 (AST)

Barometric Pressure: 1012.0 mb

NOAA/NOS/CO-OPS 9751381 Lameshur Bay, St John, VI  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide —

Observed WL —

(Obs-Pred) —

MHHW —

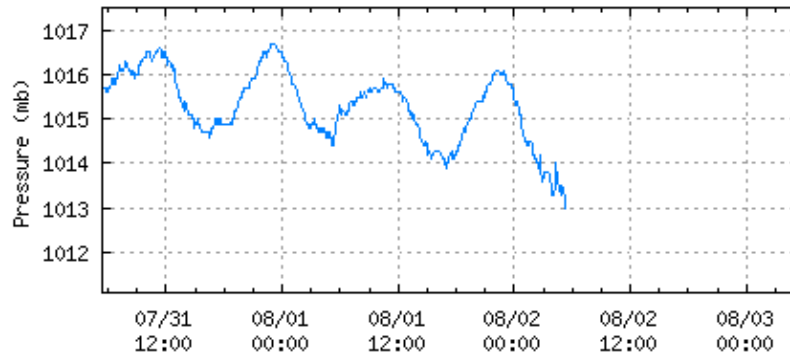
Last Observed Sample: 08/02/2014 05:18 (AST). Data relative to MHHW

Observed: -0.18 ft. Predicted: -0.55 ft. Residual: 0.37 ft.

Historical Maximum Water Level: Aug 30 2010, 0.89 ft.

Next High Tide: 08/02/2014 14:41 (AST), -0.20 ft.

NOAA/NOS/CO-OPS 9751381 Lameshur Bay, St John, VI  
Barometric Pressure

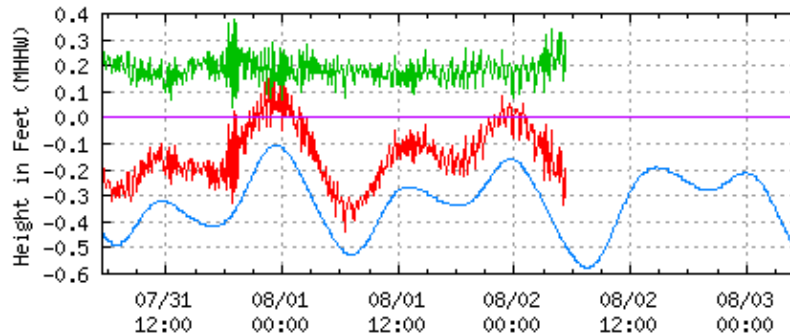


barometric pressure —

Last Observed Sample: 08/02/2014 05:18 (AST)

Barometric Pressure: 1013.0 mb

NOAA/NOS/CO-OPS 9751639 Charlotte Amalie, VI  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide —

Observed WL —

(Obs-Pred) —

MHHW —

Last Observed Sample: 08/02/2014 05:18 (AST). Data relative to MHHW

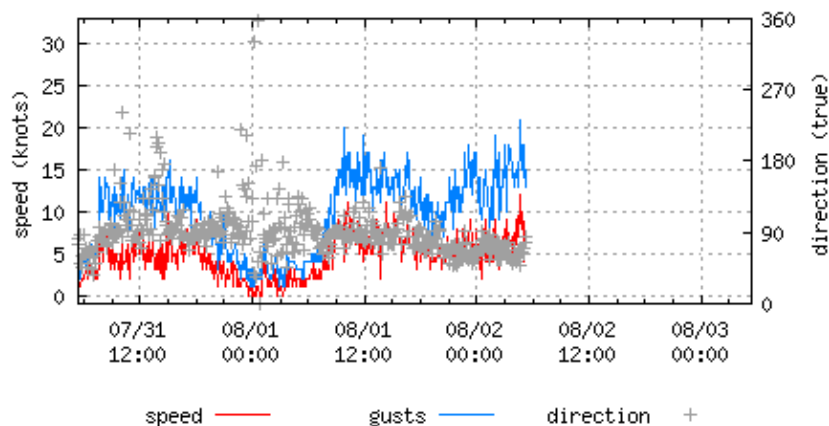
Observed: -0.20 ft. Predicted: -0.50 ft. Residual: 0.30 ft.

Historical Maximum Water Level: Sep 16 1995, 2.93 ft.

Next High Tide: 08/02/2014 14:43 (AST), -0.19 ft.

NOAA/NOS/CO-OPS 9751639 Charlotte Amalie, VI

Wind Speed / Gusts / Direction

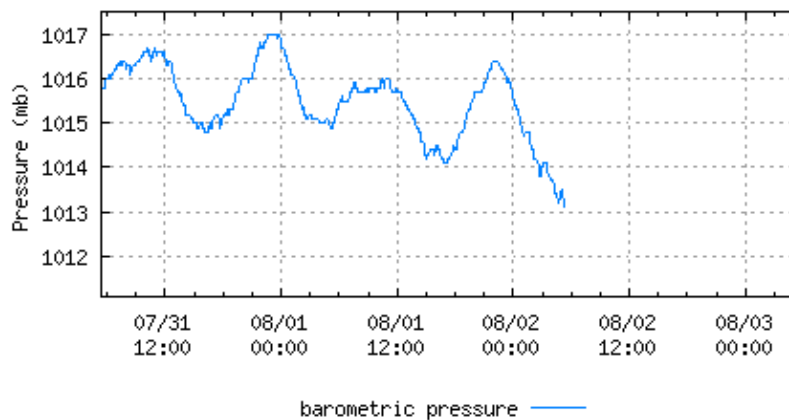


Last Observed Sample: 08/02/2014 05:18 (AST)

Wind Speed: 7 knots Gusts: 13 knots Direction: 78° T

NOAA/NOS/CO-OPS 9751639 Charlotte Amalie, VI

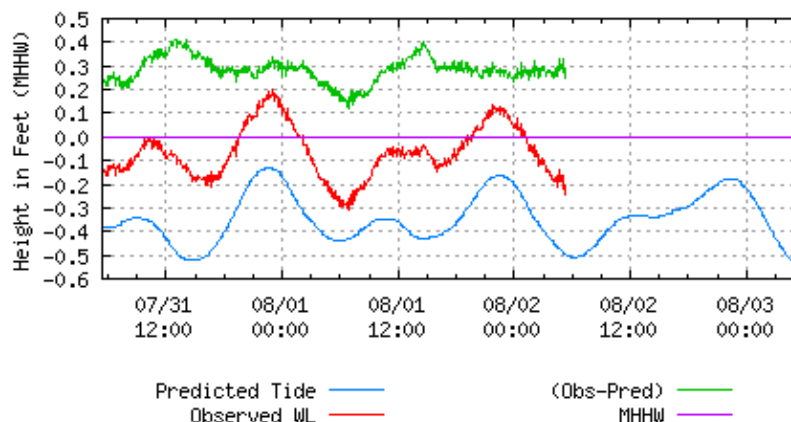
Barometric Pressure



Last Observed Sample: 08/02/2014 05:18 (AST)

Barometric Pressure: 1013.1 mb

NOAA/NOS/CO-OPS 9752695 Esperanza, Vieques Island, PR  
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



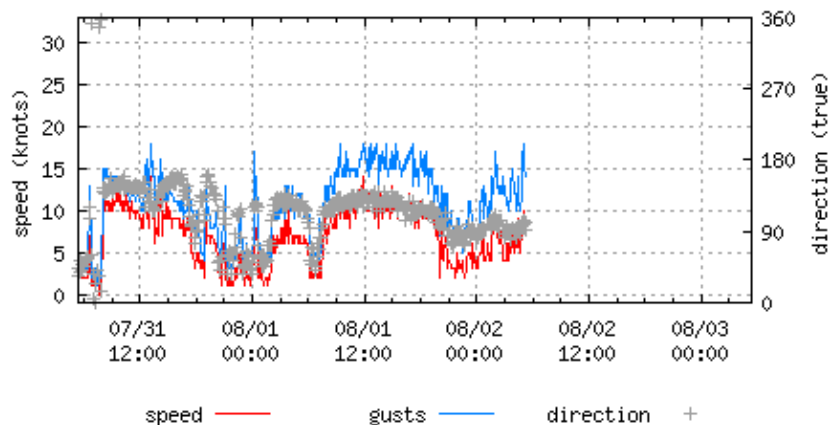
Last Observed Sample: 08/02/2014 05:24 (AST). Data relative to MHHW

Observed: -0.24 ft. Predicted: -0.50 ft. Residual: 0.26 ft.

Historical Maximum Water Level: Aug 22 2011, 0.99 ft.

Next High Tide: 08/02/2014 22:22 (AST), -0.18 ft.

NOAA/NOS/CO-OPS 9752695 Esperanza, Vieques Island, PR  
Wind Speed / Gusts / Direction

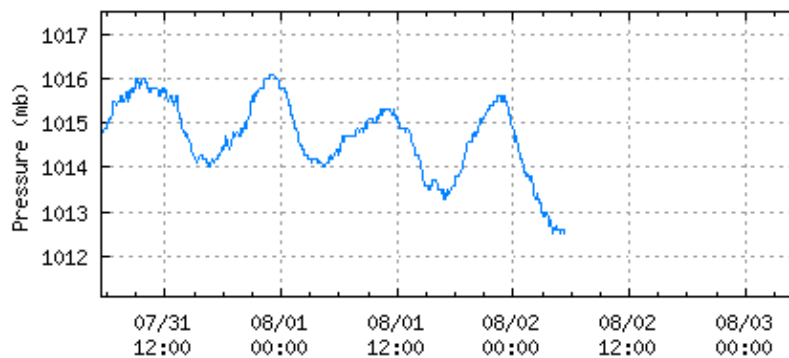


Last Observed Sample: 08/02/2014 05:24 (AST)

Wind Speed: 10 knots Gusts: 22 knots Direction: 106° T



NOAA/NOS/CO-OPS 9752695 Esperanza, Vieques Island, PR  
Barometric Pressure

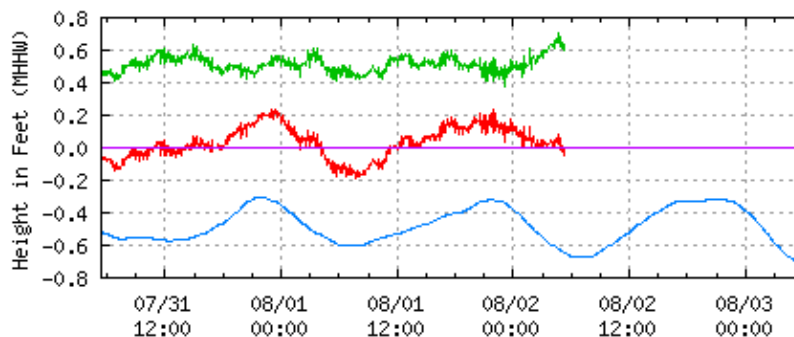


barometric pressure —

Last Observed Sample: 08/02/2014 05:24 (AST)

Barometric Pressure: 1012.8 mb

NOAA/NOS/CO-OPS 9754228 Yabucoa Harbor, PR  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide —  
Observed WL —

(Obs-Pred) —  
MHHW —

Last Observed Sample: 08/02/2014 05:18 (AST). Data relative to MHHW

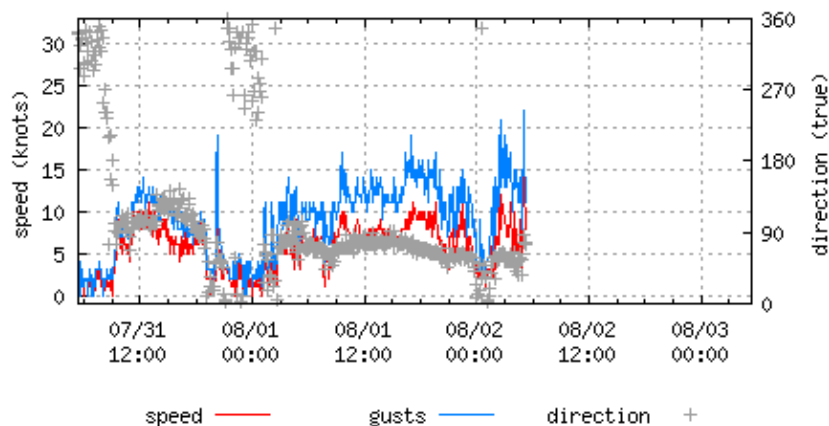
Observed: -0.02 ft. Predicted: -0.65 ft. Residual: 0.63 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/02/2014 21:08 (AST), -0.31 ft.

NOAA/NOS/CO-OPS 9754228 Yabucoa Harbor, PR

Wind Speed / Gusts / Direction

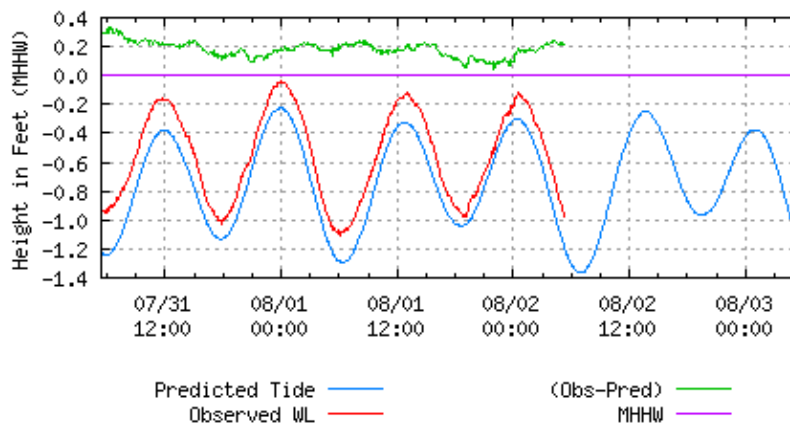


Last Observed Sample: 08/02/2014 05:18 (AST)

Wind Speed: 8 knots Gusts: 11 knots Direction: 77° T

NOAA/NOS/CO-OPS 9755371 San Juan, PR

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Last Observed Sample: 08/02/2014 05:24 (AST). Data relative to MHHW

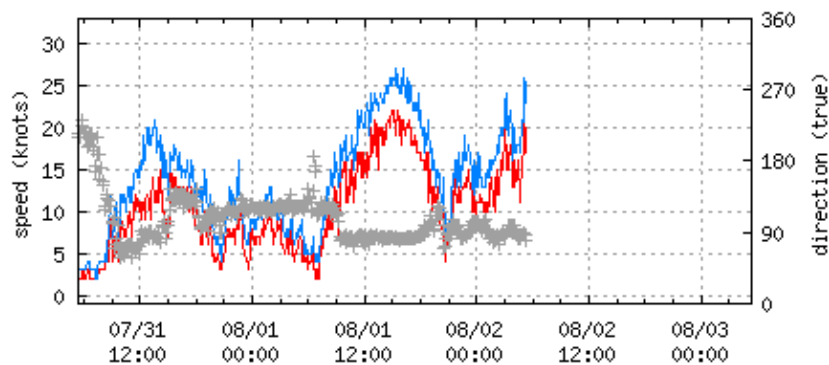
Observed: -0.99 ft. Predicted: -1.21 ft. Residual: 0.22 ft.

Historical Maximum Water Level: Sep 18 1989, 2.77 ft.

Next High Tide: 08/02/2014 13:39 (AST), -0.25 ft.

NOAA/NOS/CO-OPS 9755371 San Juan, PR

Wind Speed / Gusts / Direction



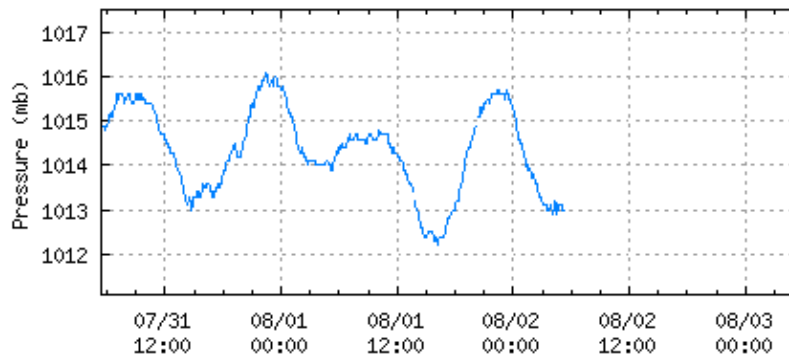
speed — gusts — direction +

Last Observed Sample: 08/02/2014 05:24 (AST)

Wind Speed: 21 knots Gusts: 24 knots Direction: 88° T

NOAA/NOS/CO-OPS 9755371 San Juan, PR

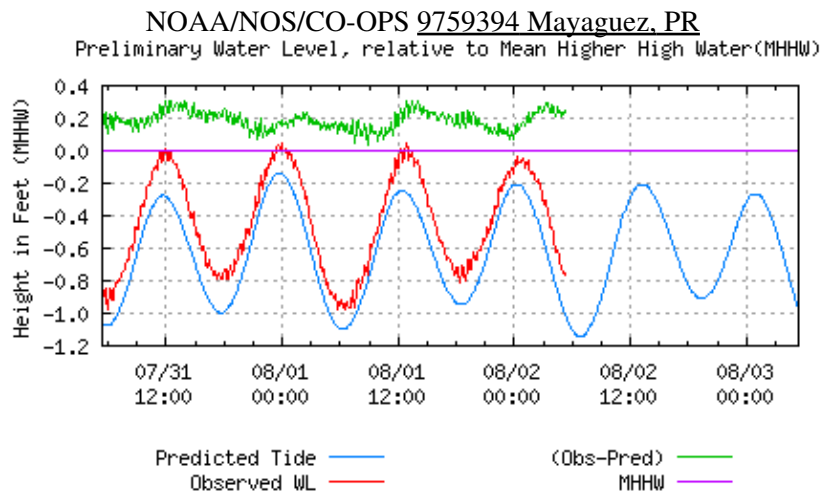
Barometric Pressure



barometric pressure —

Last Observed Sample: 08/02/2014 05:24 (AST)

Barometric Pressure: 1012.9 mb

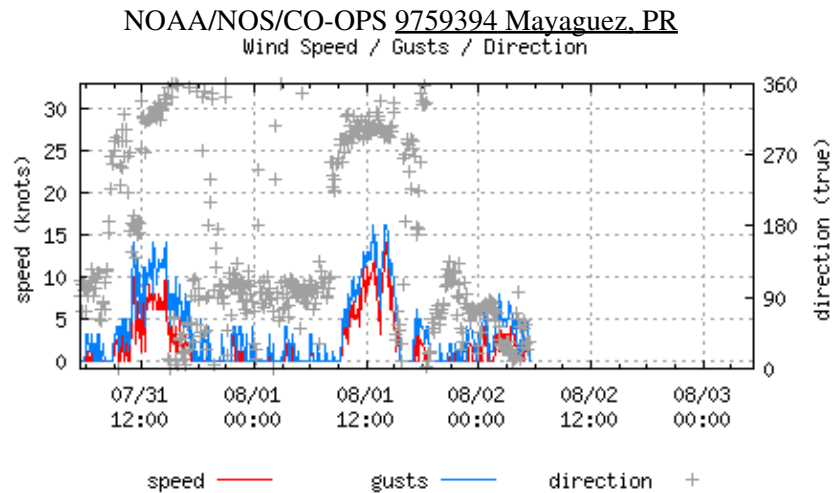


Last Observed Sample: 08/02/2014 05:24 (AST). Data relative to MHHW

Observed: -0.81 ft. Predicted: -1.04 ft. Residual: 0.23 ft.

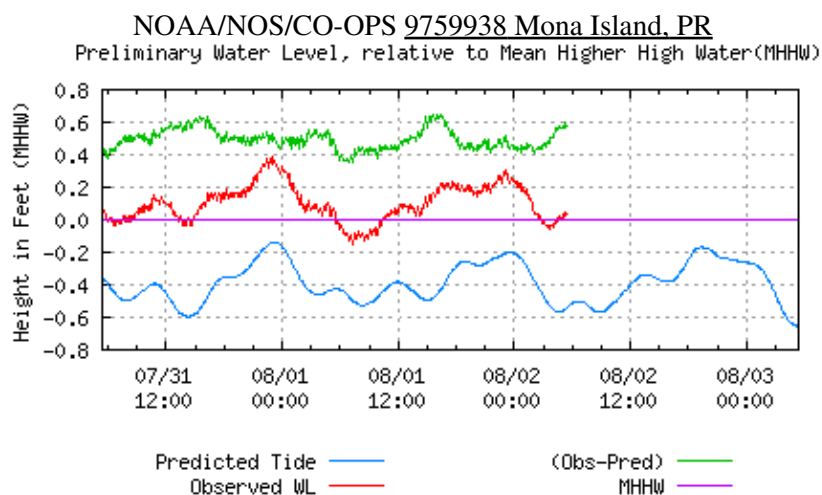
Historical Maximum Water Level: Jul 13 2010, 0.85 ft.

Next High Tide: 08/02/2014 13:11 (AST), -0.21 ft.



Last Observed Sample: 08/02/2014 05:24 (AST)

Wind Speed: 0 knots Gusts: 0 knots Direction: 33° T

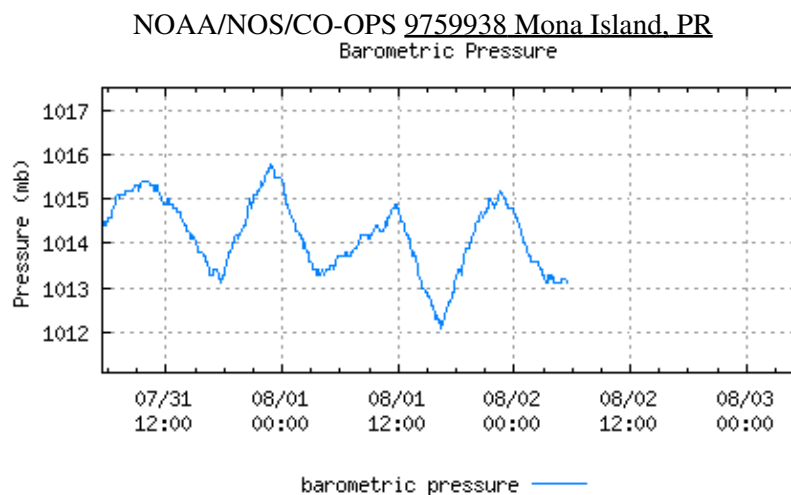


Last Observed Sample: 08/02/2014 05:24 (AST). Data relative to MHHW

Observed: 0.04 ft. Predicted: -0.54 ft. Residual: 0.58 ft.

Historical Maximum Water Level: Dec 23 2010, 1.26 ft.

Next High Tide: 08/02/2014 06:40 (AST), -0.50 ft.



Last Observed Sample: 08/02/2014 05:24 (AST)

Barometric Pressure: 1013.1 mb

Tropical Storm BERTHA QuickLook, POSTED 06:00 AST 08/02/2014

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
9751401	Lime Tree Bay, VI	08/02/2014 05:18 (AST)	-0.08 ft	-0.43 ft	0.35 ft	0.17 ft
9751381	Lameshur Bay, St John, VI	08/02/2014 05:18 (AST)	-0.18 ft	-0.55 ft	0.37 ft	0.06 ft
9751639	Charlotte Amalie, VI	08/02/2014 05:18 (AST)	-0.20 ft	-0.50 ft	0.30 ft	0.08 ft
9752695	Esperanza, Vieques Island, PR	08/02/2014 05:24 (AST)	-0.24 ft	-0.50 ft	0.26 ft	0.14 ft
9754228	Yabucoa Harbor, PR	08/02/2014 05:18 (AST)	-0.02 ft	-0.65 ft	0.63 ft	0.23 ft
9755371	San Juan, PR	08/02/2014 05:24 (AST)	-0.99 ft	-1.21 ft	0.22 ft	-0.11 ft
9759394	Mayaguez, PR	08/02/2014 05:24 (AST)	-0.81 ft	-1.04 ft	0.23 ft	0.04 ft
9759938	Mona Island, PR	08/02/2014 05:24 (AST)	0.04 ft	-0.54 ft	0.58 ft	0.31 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce